

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28376

**A. CLASSIFICATION OF SUBJECT MATTER**IPC(7) : A 23K 1/06  
US CL : 426/624, 630, 635, 807

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 426/624, 630, 635, 807

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,875,304 A (HUNT et al.) 01 April 1975, see whole document.	1-29
X	US 3,873,728 A (MOORE) 25 March 1975, see whole document.	1-29
X	US 4,664,905 A (MEYER) 12 May 1987, see whole document.	1-29
X	DE 03904962 A1 (TOELLE et al.) 23 August 1990, see whole document.	1-29
X	CN 1119495 A (SCI RES INST YIBIN WULIANGYE) 03 April 1996, see abstract.	1-29
X	EP 058651 A1 (SVENSK EXERGITEKNIK AB) 25 August 1982, see whole document.	1-29
Y	US 4,859,485 A (LINTON et al.) 22 August 1989, see whole document.	1-29
Y	US 4,208,476 A (TSAO) 17 June 1980, see whole document.	1-29.
Y	US 3,937,846 A (TEISSIER) 10 February 1976, see whole document.	1-29



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search

25 November 2003 (25.11.2003)

Date of mailing of the international search report

12 DEC 2003

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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,596,815 A (RICE et al.) 28 January 1997, see whole document.	1-29
Y	US 4,109,019 A (MOORE) 22 August 1978, see whole document.	1-29
Y	US 2002/0028283 A1 (FREEMAN) 07 March 2002, see whole document.	1-29
Y	US 5,158,791 A (NOCEK et al.) 27 October 1992, see whole document.	1-29
Y	US 5,158,791 A (NOCEK et al.) 27 October 1992, see whole document.	1-29
Y	US 5,173,430 A (EDWARDS et al.) 22 December 1992, see whole document.	1-29

**INTERNATIONAL SEARCH REPORT**

PCT/US03/28376

**Continuation of B. FIELDS SEARCHED Item 3:**  
USPAT, USPGPUBS, JPO, EPO, DERWENT, STN/CAS

search terms: distillers grains, brewers grains, fermentation grains, nutrients, undegraded protein, ruminant.